					٦.
Work	Order	ID	54290	-	L



Page 1

December 7, 2009 2:30:16 PM

Required Date: 21/12/2009

	0.000	**	
Ite	m		

D412-702-123B

Accept



Setup Start

Stop



Revision ID:

Item Name: Start Date:

Harness Assembly

07/12/2009

QC:

Start Qty: 10:00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date: 0412-7

Tooling:

Date:

Stop

Start

Date:

SPC (Y/N):

Date:

Reject Insp.

Sequence ID/ Work Center ID

Draw Nbr

Operation Description

Revision Nbr

Reg'd Qty: 10.00

Set Up/ Run Hours Draw Number Draw Rev.

Plan

Code

Accept Qty

Reject Oty

Run

Stamp Number

DSI 9469

50

A

Document Control

0.00

0.00

Photocopy bluefile &type labels per PPP D412-702-123B / DSI 9469

CHG001

100

Pick Kit

0.00

Packaging

Memo

0.00

Packaging

110

Small Fab

Small Fab

Memo

0.00

0.00

Assemble as per DSI9469

Dail Aciospace Lta	Dari	Aeros	pace	Ltd
--------------------	------	-------	------	-----

W/O:		WORK ORDER CH	IANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Approval Chief Eng / Prod Mgr	Approva QC Inspector		
		180		8500		Transport	
					*		
Part No	D412-702-	123B PAR #: Fault Category:	NCR: Yes	No DQ	eenx A:_	Date:	3

Disposition:

QA: N/C Closed: _____

Date: _

NCR:5L	1290	W	ORK OR	DER NON-CONFORMANC	E (NCR)			F.
		Description of NC		Corrective Action Section B	Verification	Approval	Approval	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
05.12-22		Reals me upside cham.on the brackets.	Suns	Re- position the brackets Belt > Rest= CLEBracket	04/12/23	(1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Josian '	ls.ne
		Ac: Eng. dvaning		0				
				, V				
			•3	2.				4

NOTE: Date & initial all entries

Resolution:

Work Order ID 54290



Page 2

December 7, 2009 2:30:16 PM

Item ID:

D412-702-123B

Accept

Setup Start

Stop



Revision ID:

Harnes 3 Assembly Item Name:

Required Date: 21/12/2009

Start Date:

07/12/2009

Start Qty: 10.00

Req'd Qty: 10.00



Cust Item ID:

Customer:

Start

Reference: Approvals:

Process Plan:

QC:

Tooling:

SPC (Y/N):

Set Up/

Run Hours

Date: Date:

Stop

Sequence ID/ Work Center ID

120

Quality Control

Operation Description

QC5- Inspect part completeness to step on W/O

Date:

Date:

0.00

0.00

Draw Number

Draw Rev.

Plan Code Qty

Accept Reject Qty

Run

Reject Number

Insp. Stamp

130

Packaging

Packaging

Memo

Memo

0.00

0.00

Identify and pack for shipping as per PPP D412-702-123B / DSI 9469 Location:

PPP rev:

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

140

Dart Aerospace Ltd W/O: WORK ORDER CHANGES DATE STEP PROCEDURE CHANGE By Date Qty Chief Eng / Prod Mgr QC Inspector Approval OC Inspector

Part No: ______ PAR #: ____ Fault Category: _____ NCR: Yes No DQA: ___ Date: ___

	R	esolution:	Disposition	n: Q	sed: Date:			
NCR:	NCR:		WORK ORDE	ER NON-CONFORMANO	E (NCR)			
		Description of NC		Corrective Action Section B	Varification			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
	8	5						
		9						
		D		14 ¥				
V.								
								1

Picklist Print

December 7, 2009 2:30:20 PM

Work Order ID: 54290

Parent Item: D412-702-123B

Parent Item Name: Harness Assembly

Comments:



Start Date: 07/12/2009

Required Date: 21/12/2009

Page 1

Start Qty: 10.00

Required (Otv: 10.00	
------------	------------	--

Comments:												
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
03570-4 Bracket		Manufactured	No				Each	29.0000	10.0000	1609	12/22	•
				Wareho	ouse	Loc Q	ity	Loc Code				
				Loc	ation							
				Main W	arehouse							
				ST			1		- 1	1		
					47380		1			d-		
					arehouse							
				ST2	245A		28		1000	7		
			No		52886		28 Each	3.0000	10.0000			,
3579-048		Manufactured	NO				Lucii	2.0000		PRO	0/12/	2
									111111111111111111111111111111111111111	100	1/2/2	~
houlder Harness				Wareh	ouse	Loc (Oty	Loc Code	2	-2711	8 (9)	
					cation				D	5379		
				Main W	/arehouse							
				ST			3		-			
					48369		3		-			
MS24694-S50		Purchased	No				Each	194.000		11		
										450	9/12/0	22
Screw				200		*	0.	L C-1		// /		
				Wareh		Loc	Qty	Loc Code				
					cation							
				Main V	Varehouse		194					
				51	108936		6		-			
					111020		18			0.0		
					113359		170			36		

Dart	Aeros	pace	Ltd

W/O:			WC	RK ORDER CHANG	ES						
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
-			1.1			255					
						8					
Part No	:	PAR #:	Fault Cated	iorv:	NCR: Yes No DQA: Date:						
		esolution:									
NCR:			WORK ORDE	ER NON-CONFORMA	NCE (NCR)					
DATE	CTED	Description of NC	Corrective Action Secti		Verifica	ation	Approval	Approval			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Sectio		Chief Eng	QC Inspector		
	1	· Sandy									
		1-				11					

December 7, 2009 2:30:20 PM

Work Order ID: 54290

Parent Item:

D412-702-123B

Parent Item Name: Harness Assembly

Comments:



Start Date: 07/12/2009

Required Date: 21/12/2009

Start Qty: 10.00

Required Qty: 10.00

Component Item ID/	Denlacement	Mfa/	Bin	Primary	Last	Route	Unit of	Qty on	Remaining	Qty	Date	Status
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch		Location	Location				Qty To Pick		Issued	Status

Purchased

Purchased

No

Each

5,439.000 40.0000

AN960JD10L

۱							
	Secolul						

Washer

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST	5439	
101291	16	

104885 153 236 105793 109632 276 4758 110985

Each 2,759.000 10.0000

MS21042L3

Nut

Warehouse	Loc Qty	Loc Code
CARLOS DE LA COCO		

Location Main Warehouse ST

2759 14 109798 32 110844 27 111274 111668 194 112314 1992 112385 500

Dart Aerospace Ltd

W/O:			W	ORK ORDER CHANGE	S				
DATE	STEP	PRO	OCEDURE CH	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
T T									

Part No	:	PAR #:	Fault Cat	egory:	NCR: Yes	No DQ	A:	Date:	
	R	esolution:	Dispositi	on:	QA: N/C CI	osed:		Date:	
NCR:			WORK ORI	DER NON-CONFORMA	NCE (NCR)			
DATE	STEP	Description of NC	Corrective Action Section B			Verific	cation	Approval	Approval
DAIL	SILI	STEP Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		ion C	Chief Eng	QC Inspector
									e e

Picklist Print

Page 3 December 7, 2009 2:30:20 PM

Work Order ID: 54290

D412-702-123B Parent Item:

Parent Item Name: Harness Assembly

Comments:



Start Date: 07/12/2009

Required Date: 21/12/2009

Start Qty: 10.00

Required Qty: 10.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch		Primary Location	Last Location	Route Seq ID			Remaining Qty To Pick		Date Issued	Status
---------------------------------	------------------------	---------------	--	---------------------	------------------	-----------------	--	--	--------------------------	--	----------------	--------

D3569-3

Manufactured

Each

44.0000

10.0000

Decal

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST	44	
47717	44	

Dart Aerospace Ltd W/O: WORK ORDER CHANGES Approval Approval DATE STEP PROCEDURE CHANGE By Qty Date Chief Eng / QC Inspector Prod Mgr Part No: ______ PAR #: ____ Fault Category: _____ NCR: Yes No DQA: ___ Date: ____ Resolution: _____ Disposition: _____ QA: N/C Closed: ____ Date: ____ WORK ORDER NON-CONFORMANCE (NCR) NCR: Corrective Action Section B Description of NC Verification Approval Approval STEP DATE Sign & Initial **Action Description** QC Inspector Section A Section C Chief Eng Date Chief Eng Chief Eng

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702 REV. E AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-702 REV. 3

REF TCCA STC: SH04-7 REF FAA STC: SR01997NY REF EASA STC: EASA.IM.R.S.00710

ENGINEERING UNCONTROLLED CO WITHOUT NOTICE

PURPOSE:

Update the D412-702-041A/045A/-041B/-045B kits for compatibility with the Dart D412-769-011 Aft Facing Seat Kit.

Quantity (1) each of D412-702-111A/-113A is replaced with D412-702-121A/-123A. Also Qty (4) x AN4-27A bolts are added to the kits for compatability with the Dart seat. The parts list in section 25.28 (pg. 87) of ICA-D412-702 Rev. 3 and section 7.0 (pg. 38) of IIN-D412-702 Rev. E is amended as follows:

QTY -041A	QTY -043A	QTY -045A	QTY -047A	QTY -049A	PART NUMBER	DESCRIPTION
X	-0407				D412-702-041A	Dart 13-Man 3-Point Shoulder Harness Kit
^		X			D412-702-045A	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit
	-					4
S:						
o.						T1
1		1			D412-702-111A	HARNESS ASSEMBLY (EXISTING)
1						
1		1	-		D412-702-121A	HARNESS ASSEMBLY (NEW)
1*	-	1*	-		D3570-3	BRACKET
1*		1*	-		D3579-043	SHOULDER HARNESS
-		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
4*		1*			MS21042L3	NUT
1*		1*			D3569-1	DECAL
1*					Duova-1	
					D412-702-113A	HARNESS ASSEMBLY (EXISTING)
1		1		_	D412-102-110K	TIMINEGOTION
					D412-702-123A	HARNESS ASSEMBLY (NEW)
1		1		-	D3570-4	BRACKET
1*		1*		-	D3579-044	SHOULDER HARNESS
1*		1*		-	MS24694S50	SCREW
4*		4*		-	AN960JD10L	WASHER
4*		4*	-	-	MS21042L3	NUT
1*		1*	_		D3569-2	DECAL
1*		1*	_	-	D3569-2	DEGAL
				-	AN4-27A	BOLT (NEW)
4		4	_	-	AN4-ZIA	A .
	_		1			
WAS:						1
		-	-	-	D412-702-111A	HARNESS ASSEMBLY
2		2	-	-	D41Z-10Z-1110	
_		-	-	+	D412-702-113A	HARNESS ASSEMBLY
2		2			D412-102-110A	

^{*} DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01

09.06.30 DATE: SH04-7 CERT. NO .: ISSUE NO .:

Α	NEW IS	SSUE, NCR 0	9-068	CP	09.06.30			
REV.	INCAA IC	JOUL, NOITO	DESCRIPTION	BY DATE				
DESIGN		92	DART AEROSPACE LTD					
DRAWN P			HAWKESBURY, ONTARIO, CANADA					
CHECKED			DRAWING NO.	REV. A				
MFG. A	PPR.	N/A	DSI 9469		SHEET 1 OF 5			
APPRO		-#	TITLE	SCALE NTS				
DE APPR.		4	AFT-FACING SEAT UP					
DATE 09.06.30			COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONCITION THE NOT TO BE USED FOR ANY PRIVATE AS CONFED OR COMMUNICATED TO ANY OTHER PERSON WITH WRITTEN PERSONS ONE PRIOR DATA TARROSPACE TO.					

Dart Ae	rospace Lt	d							190
W/O:			W	ORK ORDER CHANGE	S	-17			
DATE	STEP	PR	OCEDURE CHA	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto	
	2		9						
0 3									
Part No				gory:					
NCR:				ER NON-CONFORMAN					
		Description of NC		Corrective Action Section	В	Verific	cation		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign a	& Secti	on C	Approval Chief Eng	Approva QC Inspecto

The parts list in section 25.28 (pg. 93) of ICA-D412-702 Rev. 3 and section 7.0 (pg. 40) of IIN-D412-702 Rev. E is amended as follows:

QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	PART NUMBER	DESCRIPTION
X	-0450	-0400	041.0	0.00	D412-702-041B	Dart 13-Man 3-Point Shoulder Harness Kit
^		X			D412-702-045B	Dart 4-Man 3-Point Aft Facing Shoulder Harness Ki
						1
S:						
<u>.</u>						1
1		1			D412-702-111B	HARNESS ASSEMBLY (EXISTING)
					T-110 T00 101D	LIA DUECO A CCEMBI V ANEVO
1		1			D412-702-121B	HARNESS ASSEMBLY (NEW)
1*		1*			D3570-3	BRACKET
1*		1*			D3579-047	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
1*		1°			MS21042L3	NUT
1*		1*			D3569-3	DECAL
1		1			D412-702-113B	HARNESS ASSEMBLY (EXISTING)
		1			D412-702-123B	HARNESS ASSEMBLY (NEW)
1*		1*		-	D3570-4	BRACKET
7		1*	_	-	D3579-048	SHOULDER HARNESS
1*	_	4*		_	MS24694S50	SCREW
4*	_	4*			AN960JD10L	WASHER
1*	_	1*	_		MS21042L3	NUT
1*		1*			D3569-3	DECAL
						DOLT (ADD)
4		4			AN4-27A	BOLT (ADD)
WAS:						
2		2			D412-702-111B	HARNESS ASSEMBLY
2		2		-	D412-702-113B	HARNESS ASSEMBLY
2					D-112 1 32 1102	1

^{*} DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-01

BY: D. SHEPHERD (DE # 02)

DATE: 09.06.30 CERT. NO.: SH04-7

ISSUE NO.: SH04-7

		w/o 54	290
DESIGN	93	DART AEROSPAC	ELTD
DRAWN	93	HAWKESBURY, ONTARIO, C	ANADA
CHECKED	-	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9469	SHEET 2 OF 5
APPROVED	-#	TITLE	SCALE
DE APPR.	di	AFT-FACING SEAT UPDATE	NTS
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W/O:			WO	RK ORDER CHANGI	ES			4		-		
DATE	STEP	PR	PROCEDURE CHANGE							Approval QC Inspector		
						*						
Part No: PAR #:		PAR #:	Fault Categ	Fault Category: No				NCR: Yes No DQA: Date:				
	Res	solution:	Disposition	Disposition: QA:				A: N/C Closed: Date:				
NCR:			WORK ORDE	R NON-CONFORMA	NCE	(NCR)					
DATE	STEP	Description of NC			V			Verification Approval		Approval		
DATE	SILF	Section A	Initial Chief Eng	Action Description Chief Eng			Sect	ion C	Chief Eng	QC Inspector		
		*6										
						-						
					- 1							

Figures 4.8 (pg. 25) of IIN-D412-702 Rev. E and 25.12 (pg. 69) of ICA-D412-702 Rev. 3 are updated as follows:

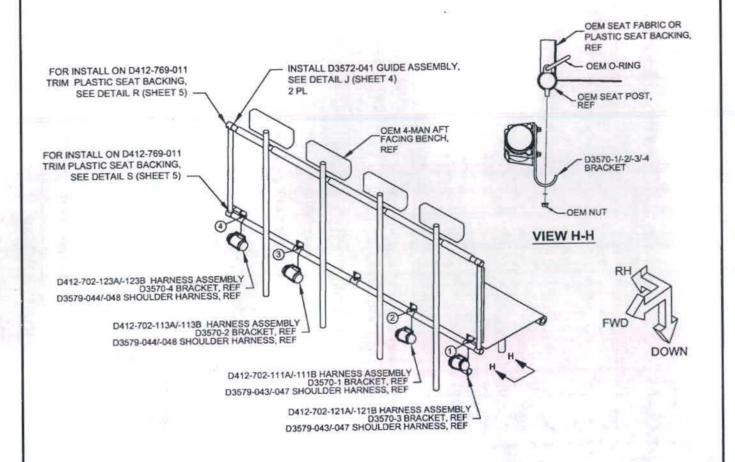
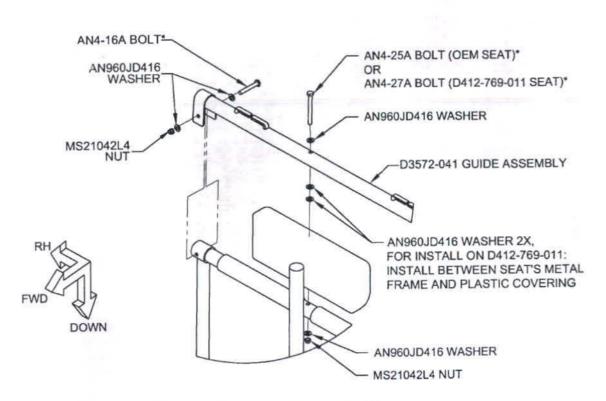


FIGURE 4.8. SHOULDER BELT INSTALLATION FIGURE 25.12 D412-702-045A/-045B 4-MAN 3-POINT AFT FACING SHOULDER HARNESS KIT



DESIGN	q q	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED	4	DRAWING NO.	REV. A	
MFG. APPR.	N/A	DSI 9469	SHEET 3 OF 5	
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		AFT-FACING SEAT UPDATE		
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W/O:			WO	RK ORDER CHANGES	i.				
DATE	STEP	PROCEDURE CHANGE			Ву	Date	Qty	Qty Approval Chief Eng / Prod Mgr	Approva QC Inspecto
Part No				jory: N					
NCR:				R NON-CONFORMANO					
iton.	_			Corrective Action Section B		-,			1
DATE	STEP	STEP Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8	Verification Section C		Approval Chief Eng	Approva QC Inspecto



DETAIL J: D3572-041 INSTALLATION (RH SHOWN, LH OPPOSITE)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: D. SHEPHERD (DE # 02)

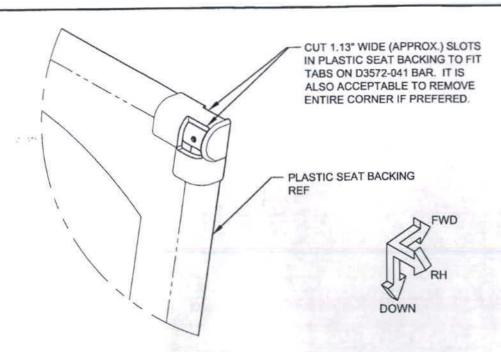
DATE: 09.06.30
CERT. NO.: SH04-7
ISSUE NO.: 3

DESIGN	92	DART AEROSPACE LTD				
DRAWN	90	HAWKESBURY, ONTARIO, CANADA				
CHECKED	1	DRAWING NO.	REV. A			
MFG. APPR.	N/A	DSI 9469	SHEET 4 OF 5			
APPROVED TO APPR.		TITLE	SCALE NTS			
		AFT-FACING SEAT UPDATE				
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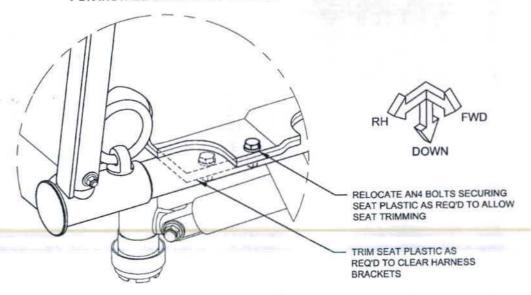
W/o 54290

Dart Aerospace Ltd W/O: WORK ORDER CHANGES Approval Approval STEP DATE PROCEDURE CHANGE By Qty Date Chief Eng / QC Inspector Prod Mgr Part No: ______ PAR #: ____ Fault Category: _____ NCR: Yes No DQA: ___ Date: ____ Resolution: _____ Disposition: _____ QA: N/C Closed: ____ Date: ____ WORK ORDER NON-CONFORMANCE (NCR) NCR: **Corrective Action** Section B **Description of NC** Verification Approval Approval DATE STEP Sign & **Action Description** Initial QC Inspector Section A Section C Chief Eng Chief Eng Chief Eng Date

H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE



VIEW LOOKING AT FRONT OF SEAT BACKING, TOP-RH CORNER SHOWN (TOP-LH CORNER SIMILAR),
FOR INSTALL ON D412-769-011 ONLY



DETAIL S

VIEW LOOKING AT REAR OF SEAT, BOTTOM-RH CORNER SHOWN (BOTTOM-LH CORNER SIMILAR),
FOR INSTALL ON D412-769-011 ONLY

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-01

APPROVED

BY:
D. SHEPHERD (DE # 02)

DATE: 09.06.30

CERT. NO.: SH04-7

ISSUE NO.: 3

DESIGN	q?	DART AEROSPACE LTD			
DRAWN	ap	HAWKESBURY, ONTARIO, C			
CHECKED	1	DRAWING NO.	REV. A		
MFG. APPR.	N/A	DSI 9469	SHEET 5 OF 5		
APPROVED	-10	TITLE	SCALE		
	-19	AFT-FACING SEAT UPDATE	NTS		
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Dart Ae	rospace L	td						
W/O:			WC	RK ORDER CHANGE	S			
DATE	STEP	PROCEDURE CHANGE			Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto
	9				, s			0,7
Part No		PAR #:						
	Res	olution:	Disposition	n:	QA: N/C CI	osed:	Date: _	
NCR:			WORK ORDI	ER NON-CONFORMAN	NCE (NCF	R)		12
DATE	STEP	Description of NC	Corrective Action Section B		В	Verification	Approval	Approval
		Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Section C	Chief Eng	QC Inspecto
								w i w